

associated with known voltage variable materials into the varnish or epoxy resin associated with known printed circuit board substrates.

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4-9-07
Please replace the paragraph beginning at page ⁵~~6~~, line ³⁰~~1~~ with the following rewritten paragraph:

In an embodiment, the first electrode is a conductor of a cable and the second electrode is a shield for the cable. In an embodiment, at least one of the electrodes includes nickel plated copper.

Please replace the paragraph beginning at page 10, line ²⁵~~29~~ with the following rewritten paragraph:

A further embodiment for the binder includes imbedding the conductive particles and alternatively semiconductive and/or insulative particles into a flexible circuit material. The most widely used flexible circuit material today is manufactured by Dupont Corporation and is called "Kapton". Kapton® is actually a polyimide film based material, which is resistant to heat, has dimensional stability and a low dielectric constant of 3.6. There are three variants of the Kapton® material, each of which may be impregnated to form the VVM substrate of the present invention. One Kapton® material includes an acrylic base adhesive but is not flame retardant. Another Kapton® material includes an acrylic base adhesive and is flame retardant. A third Kapton® material is adhesiveless.

Please replace the paragraph beginning at page 11, line ³~~7~~ with the following rewritten paragraph:

The flex-circuit/VVM's are thin, high density, lightweight, flexible, and durable. They can be designed to meet a wide range of temperature and environmental extremes. The flex-circuit/VVM's work well with designs having fine line traces and high-density circuitry, and are more suited for dynamic applications and vibration conditions than the FR-4/VVM. The flex-circuit/VVM's are built to bend, fold, twist, and wrap in tight areas, over multiple times, benefitting designers faced with space restrictions. Typical applications for flex-circuit/VVM's